

ECS/EMD Configuration Change Request

Page 1 of

Page(s)

1. Originator Sarah Lewallen	2. Log Date: 12/03/03	3. CCR #: 03-0803	4. Rev: —	5. Tel: 301-925-0865	6. Rm #: 3103A	7. Org. COTS
8. CCR Title: Maintenance of Gigabit Ethernet cards in Origin 2000 systems g0spg10, g0icg01, g0drg01, g0drg02, and g0drg04.						
9. Originator Signature/Date Sarah Lewallen /s/ 12/03/03			10. Class II	11. Type: CCR	12. Need Date: 12/19/03	
13. CCR Sponsor Signature/Date			14. Category of Change: EDF (Infraction)		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist): N/A			17. Schedule Impact:		18. CI(s) Affected: N/A	
19. Release Affected by this Change: N/A		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other:						
23. Problem: (use additional Sheets if necessary) The copper gigabit ethernet cards occasionally do not load firmware upon boot. The system requires a power cycle to force the card to reload the firmware. If the firmware does not load, the egconfig command will not work card to force the load.						
24. Proposed Solution: (use additional sheets if necessary) 1) Swap the cards from the existing location to Module 1. This will allow the card to sync with the primary ASIC, earlier in the boot process. 2) Replace the XIO card with a new card and shoehorn to ensure the firmware is compatible. 3) Turn auto-negotiation off on the card and the 3550 switch.						
25. Alternate Solution: (use additional sheets if necessary) None						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Firmware on the card may not reload on a reboot. This would require a power cycle of the system.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): Byron Peters /s/ 12/11/03			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 03-0803 **Rev:** — **Originator:** Sarah Lewallen

Telephone: 301-925-0865 **Office:** 3103A

Title of Change: Maintenance of Gigabit Ethernet cards in Origin 2000 systems g0spg10, g0icg01, g0drg01, g0drg02, and g0drg04.

Information on current card locations:

g0drg01
1 /hw/module/2/slot/io7/xtalk_pci/pci/1/eg

g0drg02
1 /hw/module/2/slot/io3/xtalk_pci/pci/1/eg

g0drg04
1 /hw/module/1/slot/io7/xtalk_pci/pci/1/eg

g0icg01
1 /hw/module/1/slot/io4/xtalk_pci/pci/1/eg

g0spg10
0 /hw/module/4/slot/io9/xtalk_pci/pci/1/eg

CM01AJA00 Revised 10/2/03

ECS/EMD